

CITY OF NEWPORT
LINCOLN COUNTY, OREGON



SAFE HAVEN HILL TSUNAMI RETROFIT

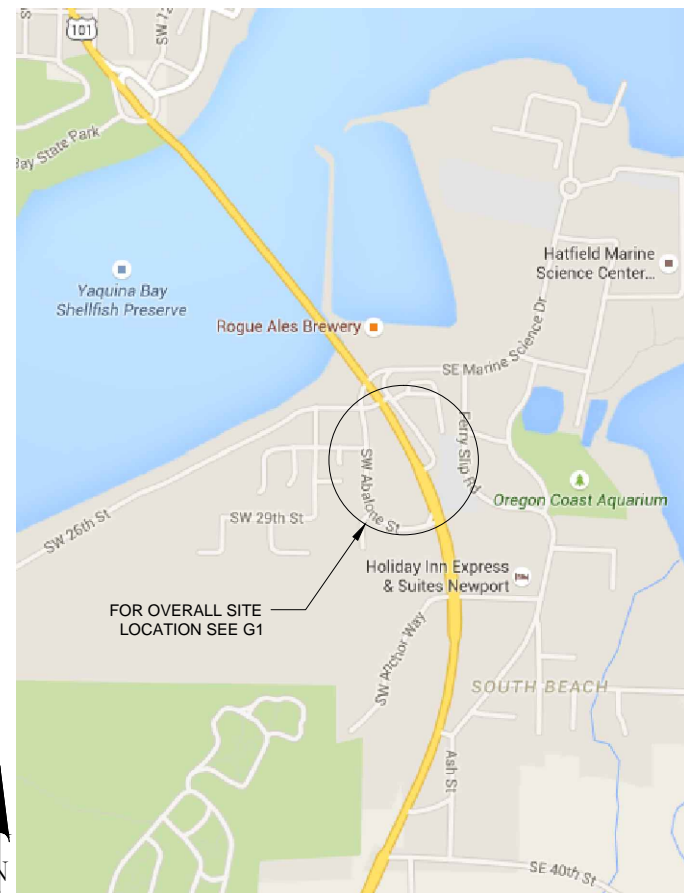
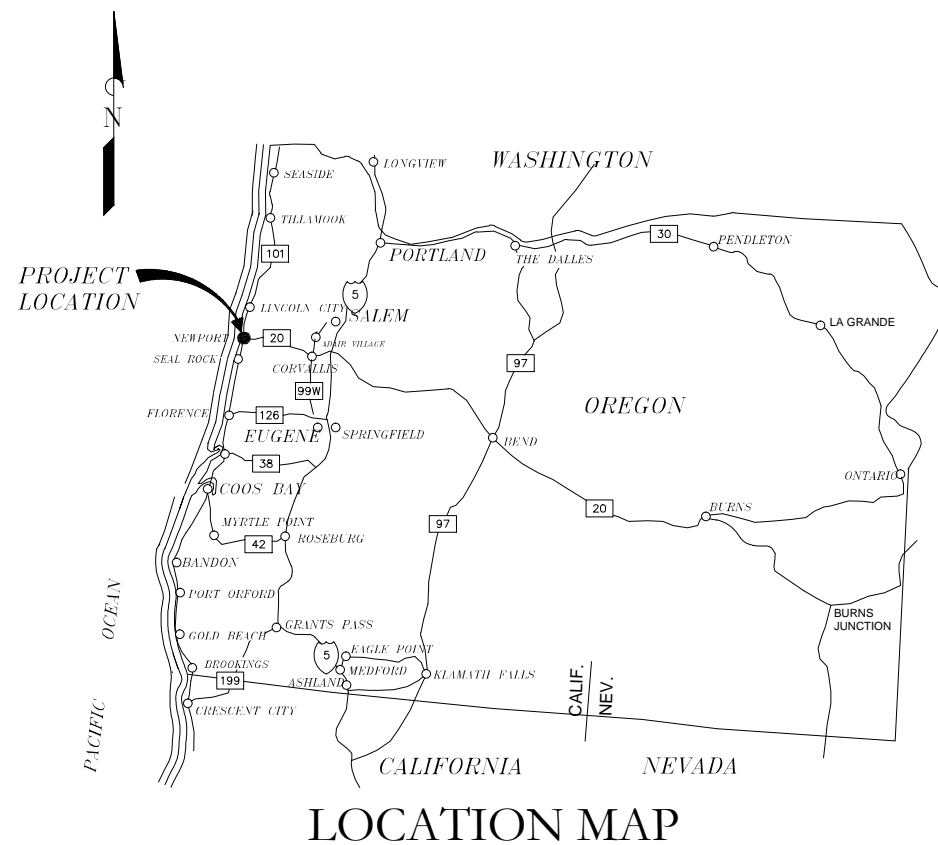
PROJECT NO. 2302-003
May 2015

OWNER/DEVELOPER

City of Newport
169 SW Coast Hwy
Newport, Oregon 97365
541-574-3366

DESIGN ENGINEER

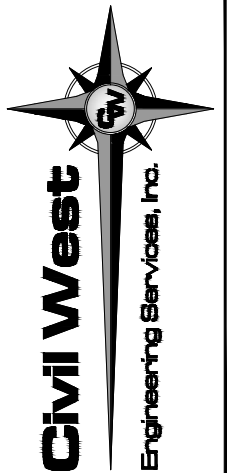
CIVIL WEST Engineering Services, Inc.
609 SW Hurbert Street
Newport, Oregon 97365
541-264-7040
www.civilwest.com



VICINITY MAP

NOT TO SCALE

SAFE HAVEN HILL TSUNAMI RETROFIT	
Sheet Number	Sheet Title
GENERAL	
G0	COVER
G1	OVERALL SITE LAYOUT
G2	GENERAL NOTES AND LEGEND
PLAN AND PROFILE SHEETS	
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C2	28TH ST PATH
C3	BRIDGE TO ABALONE ST
C4	HILL TOP ACCESS ROAD (BASE OF HILL)
C5	HILL TOP ACCESS ROAD (TOP OF HILL)
C6	PATH TO S PACIFIC ST
SECTION VIEWS	
S1	TYPICAL CMU RETAINING WALL
S2	TYPICAL WOODEN RETAINING WALL
DETAIL SHEETS	
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D2	CURB AND GUTTER AND MULTI-USE PATH DETAILS
D3	SIDEWALK AND HANDICAP RAMP DETAILS
D4	STREET LIGHTING AND SIGN DETAILS
D5	TRANSFORMER AND LIGHT POLE BASE
D6	REMOVABLE BOLLARD AND BOLLARD LIGHTING DETAILS
D7	WOODEN STAIRS DETAILS
D8	HIKING TRAIL WATER DIVERTERS
D9	MANHOLE FRAME ADJUSTMENT AND SIDEWALK TRANSITION DETAILS



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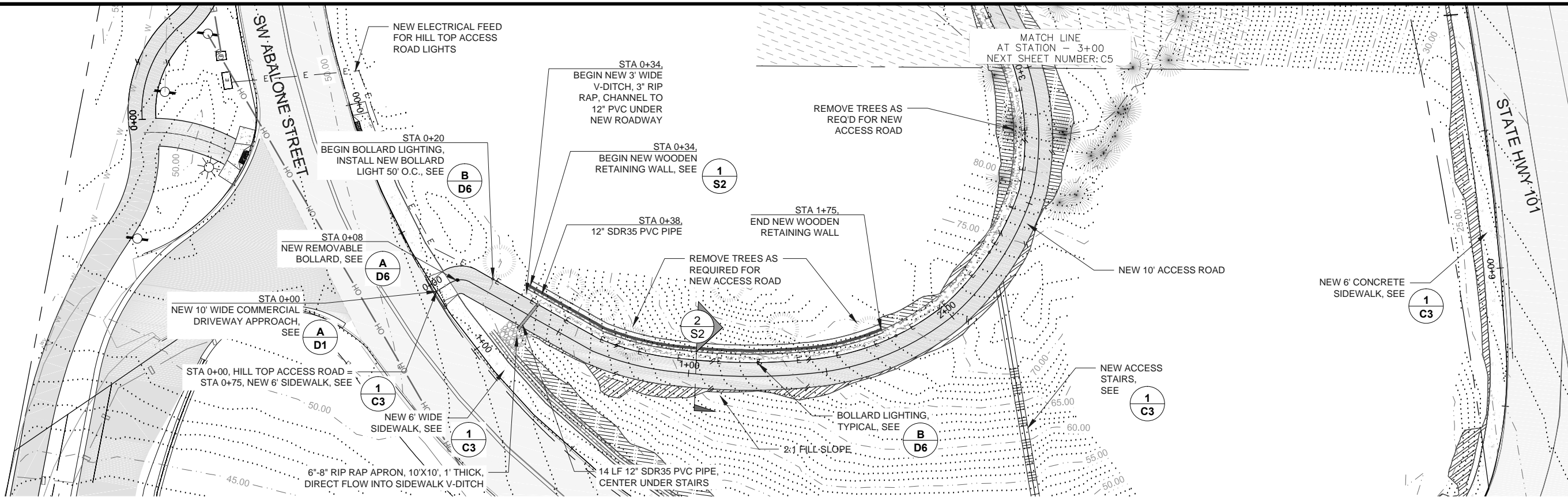
REV.	DATE	DESCRIPTION	BY

Designed By:	RRW	Drawn By:	JBW	Checked By:	RRW
Project No: 2302-003					

95% PLAN SET

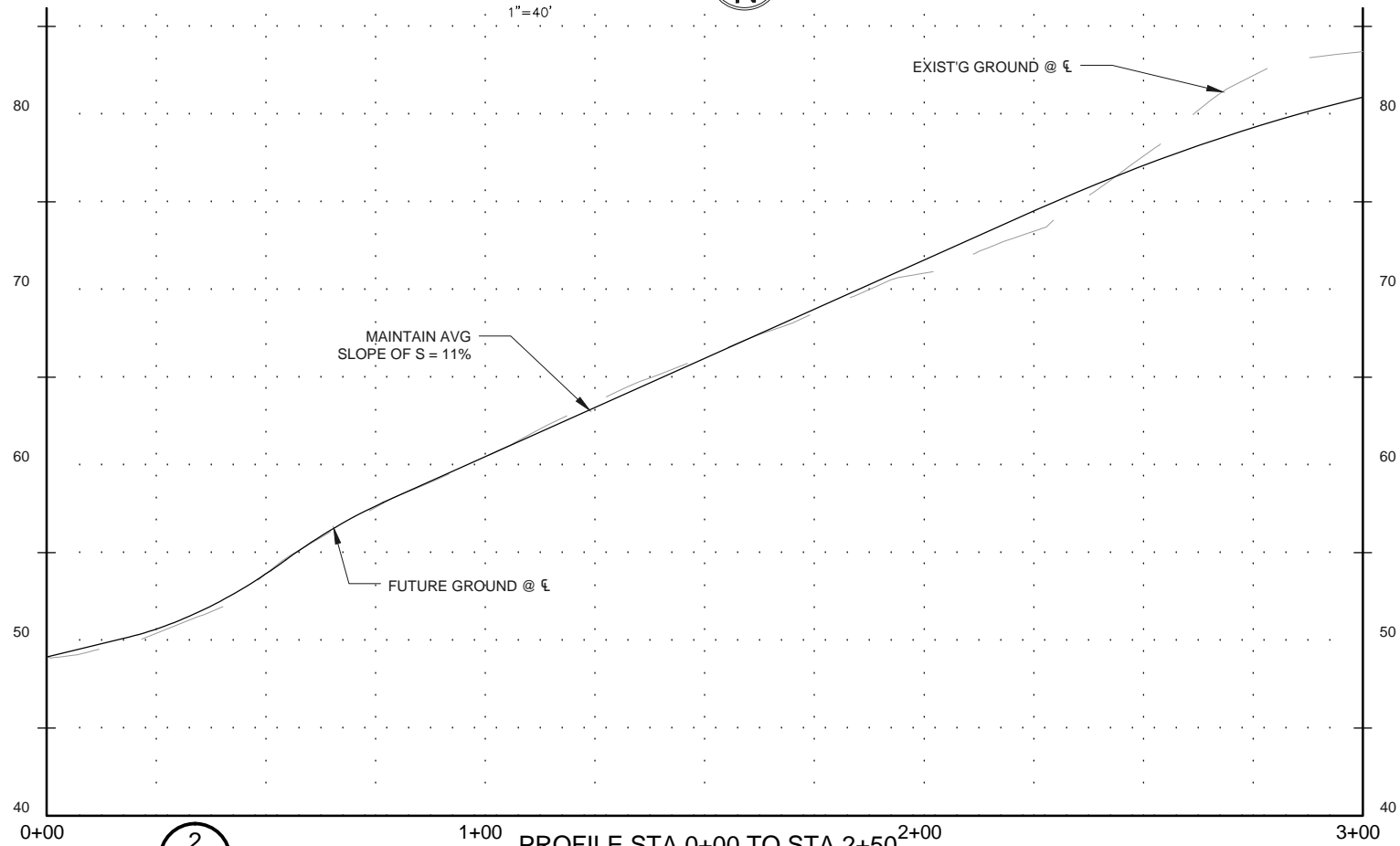
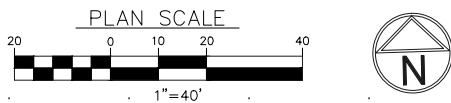
Sheet No.	CITY OF NEWPORT LINCOLN COUNTY, OREGON
Date	SAFE HAVEN HILL TSUNAMI RETROFIT
	COVER

DATE:5/20/15 FILE:Z:\CW_Projects\2302 Newport\2302-033 Safe Haven Hill Tsunami Retrofit\Drawings\DWG\SAFE HAVEN HILL-WORKING.dwg



1
C4

PLAN STA 0+00 TO STA 2+50



2
C4

PROFILE STA 0+00 TO STA 2+50

SCALE HORIZ 1"=40'
VERT 1"=10'

REGISTERED PROFESSIONAL ENGINEER
88387PE
PRELIMINARY
STATE OF OREGON
APR 10, 2013
R. WENZIGER
EXPIRATION DATE: 06/30/16

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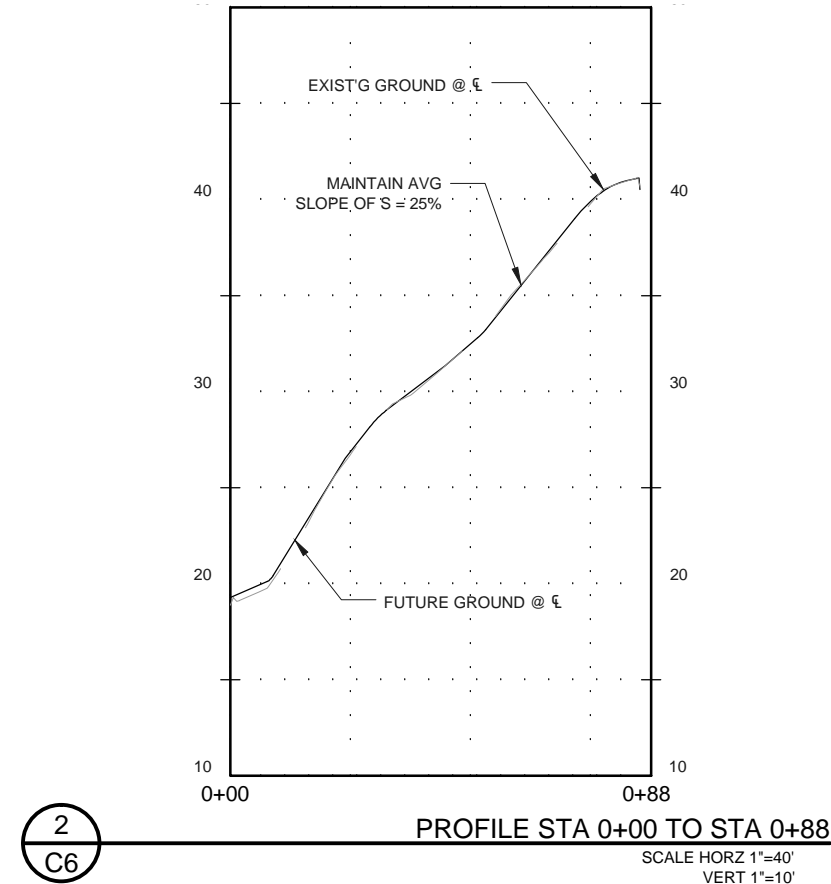
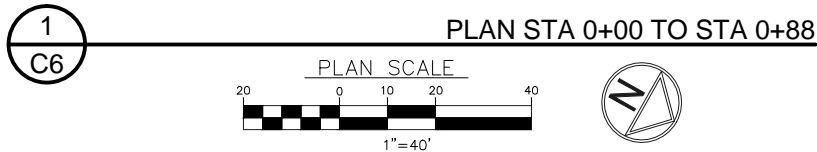
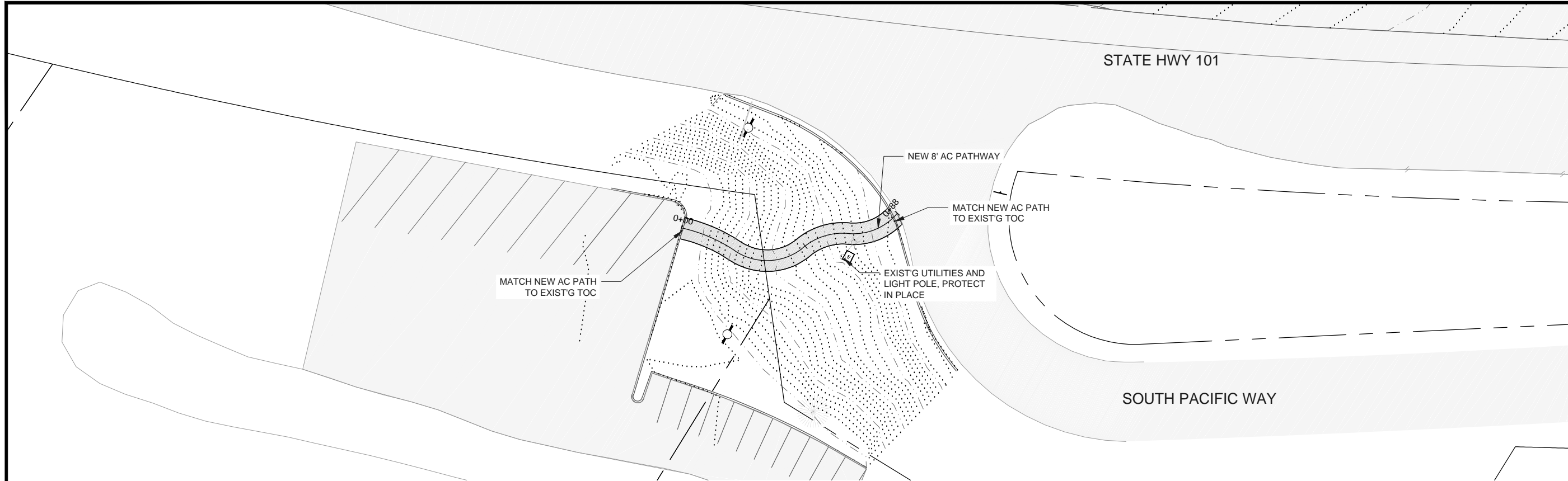
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Designed By: RRR	Drawn By: JBJ	Checked By: RRW
Project No: 2302-003		

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CITY OF NEWPORT LINCOLN COUNTY, OREGON	SAFE HAVEN HILL TSUNAMI RETROFIT HILL TOP ACCESS ROAD (BASE OF HILL)
Sheet No: C4	Date: May 2015

DATE:5/20/15 FILE:Z:\CW_Projects\2302 Newport\2302-033 Safe Haven Hill Tsunami Retrofit\Drawings\Drawings\SAFE HAVEN HILL-WORKING.dwg



REGISTERED PROFESSIONAL ENGINEER
88387PE
PRELIMINARY
EXPIRATION DATE: 06/30/16

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486 E Street
Coos Bay, Oregon 97420

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CITY OF NEWPORT
LINCOLN COUNTY, OREGON

SAFE HAVEN HILL TSUNAMI RETROFIT

PATH TO S PACIFIC ST

REV. DATE DESCRIPTION BY

Desiged By: RRR Drawn By: JBJ Checked By: RRW

Project No: 2302-003

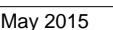
95% PLAN SET

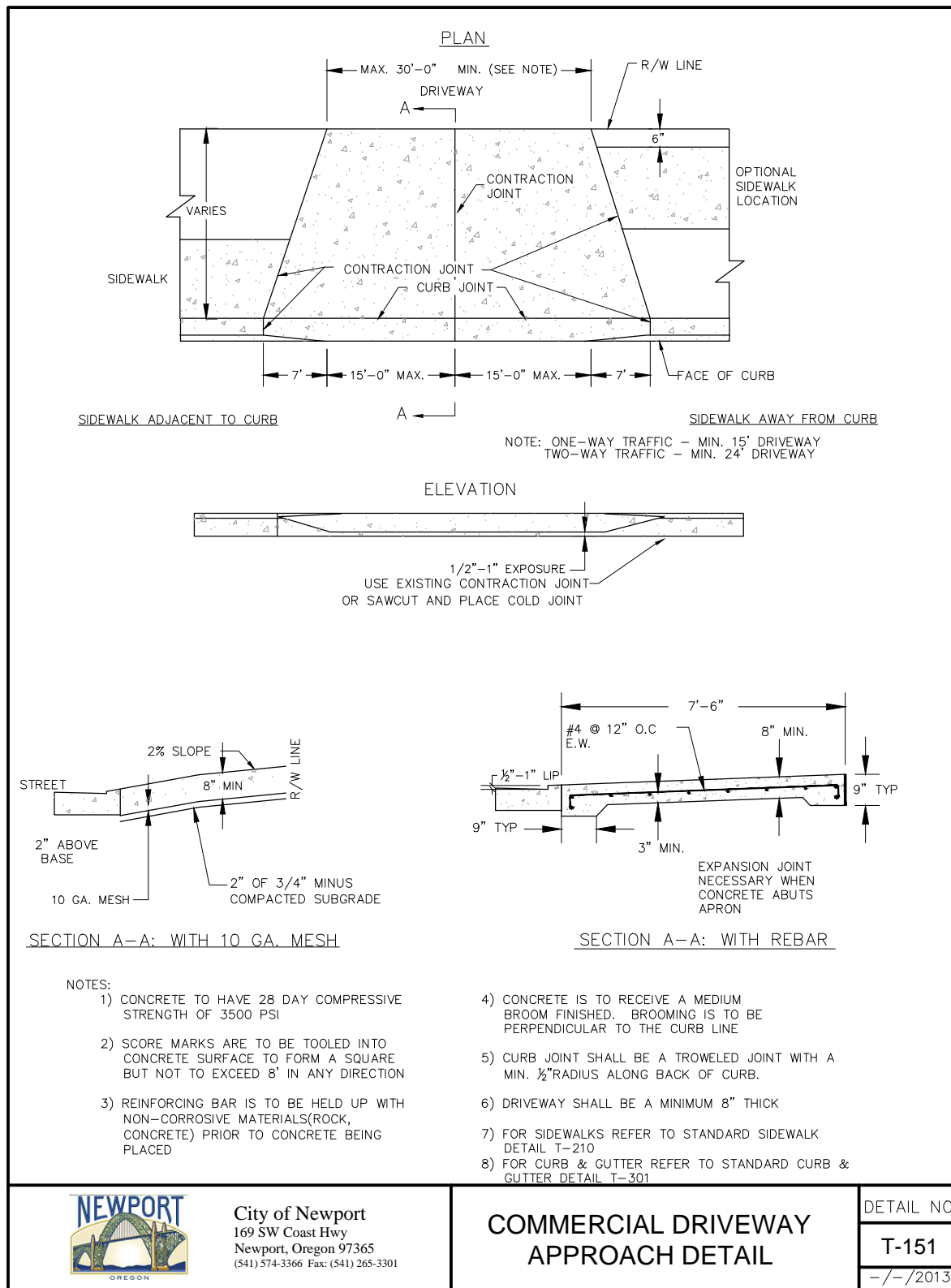
Date Sheet No.

May 2015 C6



DATE: 5/20/15 FILE: Z:\CW_Projects\2302 Newport\2302-033 Safe Haven Hill Tsunami Retrofit\Drawings\DWG\SAFE HAVEN HILL-WORKING.dwg





COMMERCIAL DRIVEWAY APPROACH DETAIL

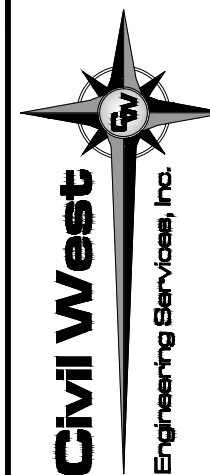
NOT TO SCALE

NOT TO SCALE



RESIDENTIAL DRIVEWAY APPROACH DETAIL
NOT TO SCALE

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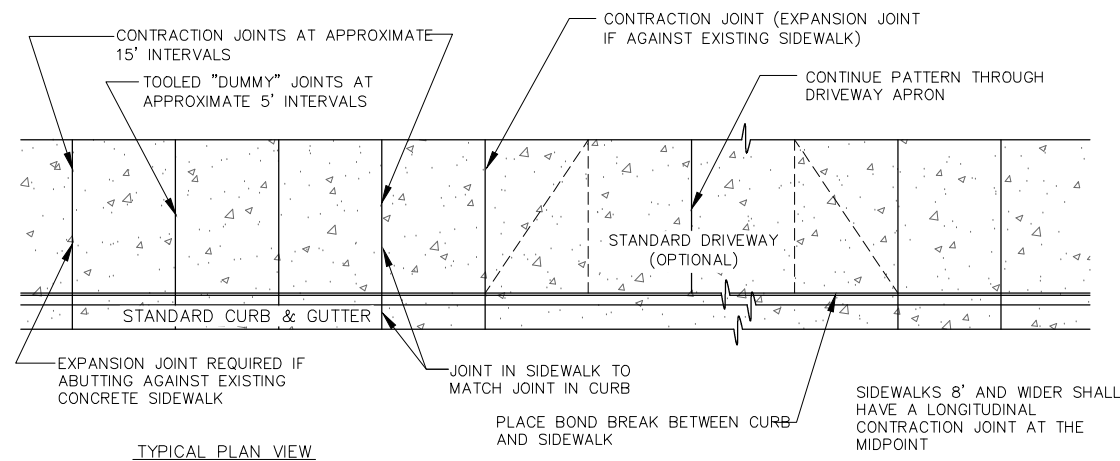
2302-003

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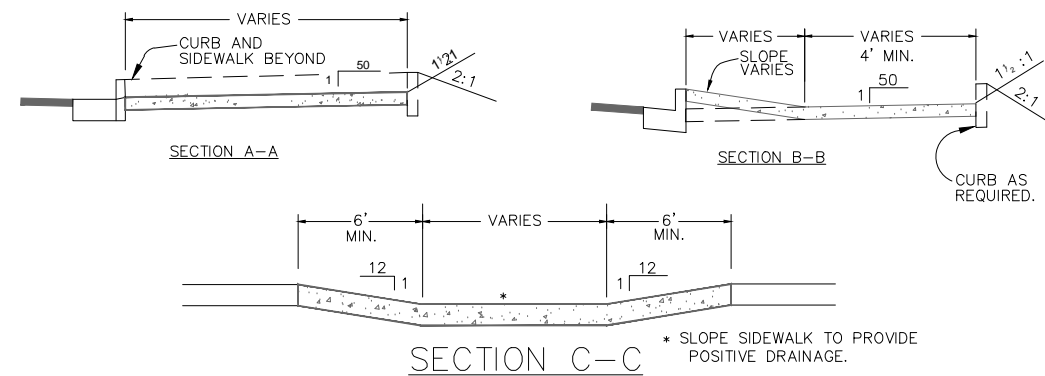
Sheet No.	Date	May 2015
CITY OF NEWPORT LINCOLN COUNTY, OREGON	SAFE HAVEN HILL TSUNAMI RETROFIT	COMMERCIAL AND RESIDENTIAL DRIVEWAY APPROACH
D1		

D1

May 2015

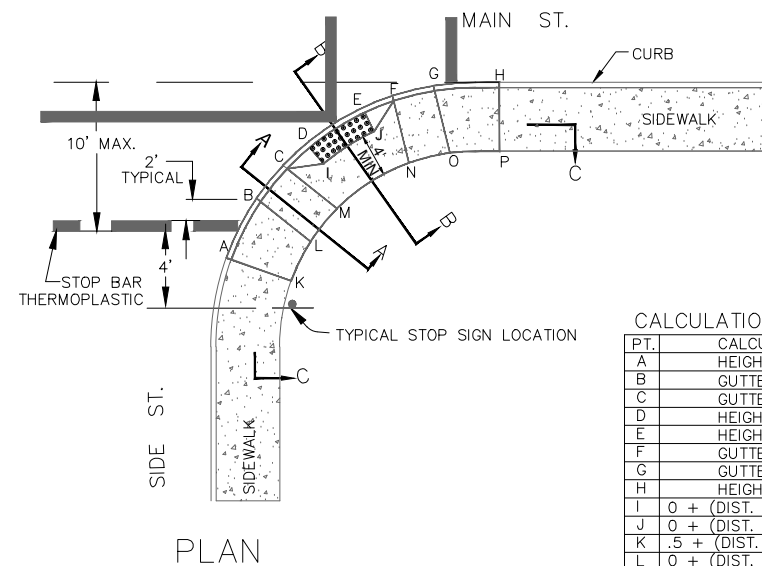


- NOTES:
- 1) CONCRETE SHALL BE 3500 PSI IN 28 DAYS
 - 2) STANDARD SIDEWALK CROSS SLOPE SHALL BE 2%. WHEN THE LOT IS BELOW THE TOP OF THE CURB AND SLOPE DOWN FROM CURB , A MINUS 2% SLOPE MAY BE REQUIRED
 - 3) CONCRETE DEPTH FOR SIDEWALKS SHALL SHALL BE A NOMINAL 4" MIN. DRIVEWAY SECTIONS INCLUDING SIDEWALKS THROUGH DRIVEWAYS SHALL BE NOMINAL 6" MIN FOR LOCAL STREETS AND 8" FOR ARTERIALS AND COMMERCIAL ROADWAYS
 - 4) CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATE INTERVALS OF 15' BY CUTTING AT LEAST 1/2 OF THE DEPTH OF THE CONCRETE. "DUMMY" JOINTS SHALL BE INSTALLED AT APPROXIMATE INTERVALS OF 5'. EXPANSION JOINTS WITH PREMOLDED FILLER SHALL BE INSTALLED BETWEEN DRIVEWAYS & SIDEWALKS AT THE DIRECTION OF THE ENGINEER, SEE DRIVEWAY STANDARD
 - 5) INSTALL A BOND BREAKER OR ISOLATION JOINT BETWEEN BACK OF CURB & SIDEWALK, & AROUND ANY OBSTRUCTION WITHIN SIDEWALK AREA
 - 6) DRAIN BLOCKOUTS IN THE CURB SHALL BE EXTENDED TO THE BACK OF THE SIDEWALK WITH A 3" DIA. PLASTIC PIPE AT A 2% SLOPE. A CONTRACTION JOINT SHALL BE PLACED OVER THE PIPE
 - 7) SEE STANDARD WHEELCHAIR/BICYCLE RAMP DETAILS FOR SIDEWALK PATTERNS AT INTERSECTION CURB RETURNS
 - 8) SEE, ALSO, STANDARD DETAILS FOR DRIVEWAYS, T-150, T-151
 - 9) A MIN. SEPARATION OF 4' BETWEEN CURB & SIDEWALK IS RECOMMENDED FOR LANDSCAPE STRIP MAINTENANCE
 - 10) SIDEWALKS 8' AND WIDER SHALL HAVE A LONGITUDINAL CONTRACTION JOINT AT THE MIDPOINT



NOTE:

1. WHEELCHAIR RAMP GRDES SHALL MEET ADA STANDARDS. THE TABLE BELOW IS PROVIDED TO ASSIST THE DESIGNER AND CONTRACTOR WHO ELECT TO CALCULATE ELEVATIONS TO MEET THOSE STANDARDS.
2. ADDITIONAL INFORMATION REGARDING SLOPE AND RAMP TEXTURING IS PROVIDED ON CITY STANDARD DRAWING NO. T-214.
3. CURB INLET OR CATCH BASIN SHALL NOT BE ALLOWED BETWEEN PTS. B & C OR PTS. F & G.
4. PROVIDE STOP LINE ONLY ON SIDE STREET APPROACHES TO MAIN STREETS WITH CENTERLINE STRIPING. CROSSWALK LINES WHERE REQUIRED MUST BE AS PER STRIPING PLAN APPROVED BY THE CITY ENGINEER.
5. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI IN 28 DAYS



OPTIONAL
CALCULATION TABLE FOR POINT ELEVATIONS

PT.	CALCULATION METHOD	* + FROM GUTTER
A	HEIGHT OF CURB	.5
B	GUTTER	0
C	GUTTER	0
D	HEIGHT OF CURB	.5
E	HEIGHT OF CURB	.5
F	GUTTER	0
G	GUTTER	0
H	HEIGHT OF CURB	.5
I	0 + (DIST. FROM D TO I) x .02	*
J	0 + (DIST. FROM E TO J) x .02	*
K	.5 + (DIST. FROM A TO K) x .02	*
L	0 + (DIST. FROM B TO L) x .02	*
M	0 + (DIST. FROM C TO M) x .02	*
N	0 + (DIST. FROM F TO N) x .02	*
O	0 + (DIST. FROM G TO O) x .02	*
P	.5 + (DIST. FROM H TO P) x .02	*

* DESIGNER MAY CALCULATE ELEVATIONS AT LOCATIONS SHOWN.



City of Newport
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STANDARD SIDEWALK DETAILS

DETAIL NO.

T-210

-/-/2013



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Newport, Oregon 97365
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SIDEWALK AND RAMP DETAIL WITHOUT PLANTER STRIP

DETAIL NO.

T-212

-/-/2013



EXPIRATION DATE: 06/30/16



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LINCOLN COUNTY, OREGON

SAFE HAVEN HILL TSUNAMI RETROFIT

SIDEWALK AND HANDICAP RAMP DETAILS

Date	Sheet No.
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D3

May 2015

STANDARD SIDEWALK DETAILS

NOT TO SCALE

SIDEWALK AND RAMP DETAIL - WITHOUT PLANTER STRIP

NOT TO SCALE



EXTRUDED STREET SIGN BLADES, SEE T-451

90" EXTRUDED BLADE
ANGLE BRACKET

EXTRUDED BLADE
POST CAP

DRIVE RIVETS
TYP.

12 GA. 2"x2" STEEL TUBING
WITH 1/8" HOLES PUNCH AT 1"
O.C. ON 4 SIDES ALLIED TUBE
OF EQUAL. FLOW COAT - ZINC
COATING

7' MIN.

9' MIN. CLR TO BOTTOM

GROUND LEVEL

12 GA. 2"x2" STEEL TUBING

2 HOLES TO BE
EXPOSED ABOVE
FINISHED GRADE

GROUND
SURFACE

INSTALL ANCHOR
AND STIFFENER
SLEEVE FLUSH


2 1/2" x 2 1/2" x 18"
STIFFENER SLEEVE(.105
WALL THICKNESS

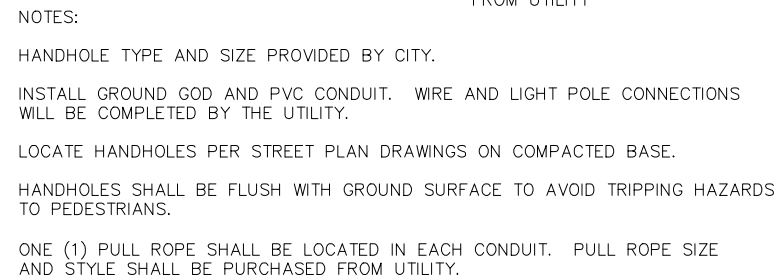
2 1/4" x 2 1/4" x 30"
ANCHOR SLEEVE(.105
WALL THICKNESS

WRAP IN FELT OF
KRAFT PAPER FOR
POST INSERTION
DEPTH (6"-12")

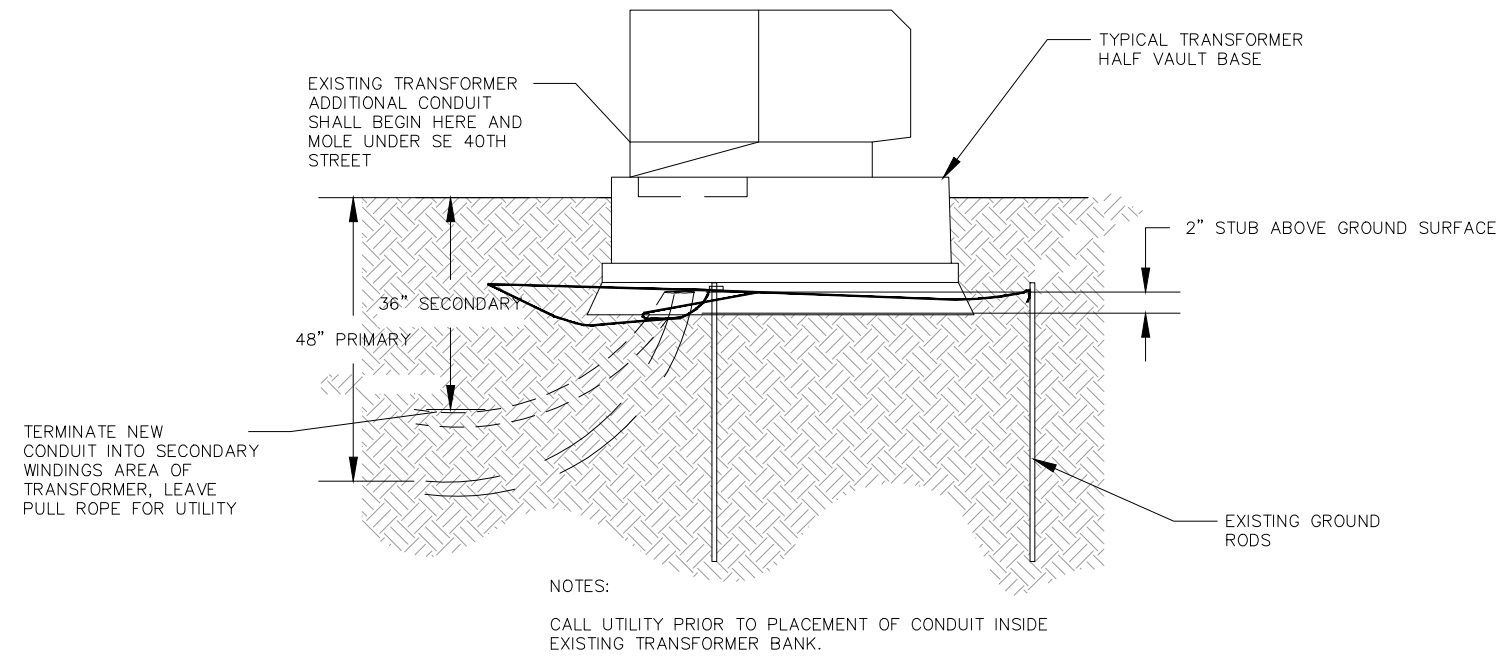
YIELDING BREAKAWAY ANCHOR
BASE ASSEMBLY



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<p>EXPIRATION DATE: 06/30/16</p>			
<p>REGISTERED PROFESSIONAL ENGINEER 88387PE PPE PRELIMINARY STATE OF OREGON JULY 10, 2013 R. WENZIGER</p>			
<p>486 E Street Coos Bay, Oregon 97420 541-266-8601 www.civilwest.com</p>			
<p>SAFE HAVEN HILL TSUNAMI RETROFIT</p>			
<p>STREET LIGHTING AND SIGN DETAILS</p>			
<p>CITY OF NEWPORT LINCOLN COUNTY, OREGON</p>			
REV.	DATE	DESCRIPTION	BY
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Checked By:		RRW	
Project No: 2302-003			
Date		Sheet No.	
May 2015		D4	



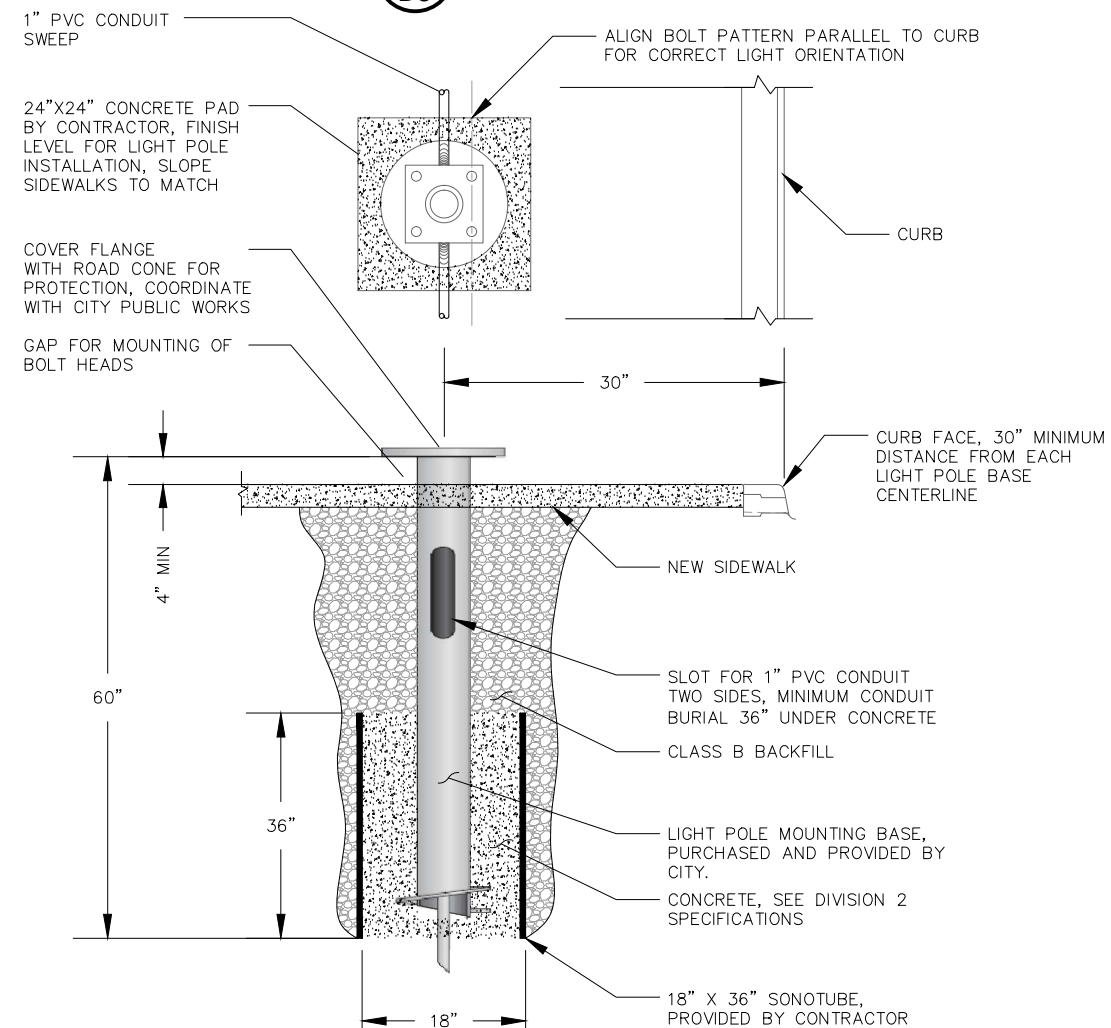
1 LIGHTING HANDHOLE DETAIL
D5 NOT TO SCALE



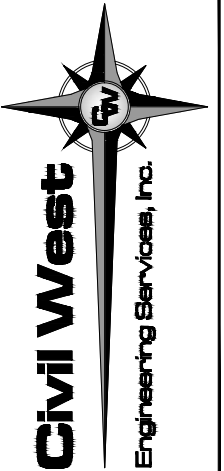
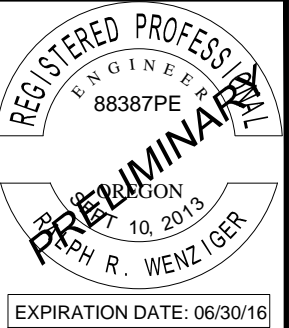
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D5

TRANSFORMER DETAIL

NOT TO SCALE



3 LIGHTING POLE BASE
D5 NOT TO SCALE

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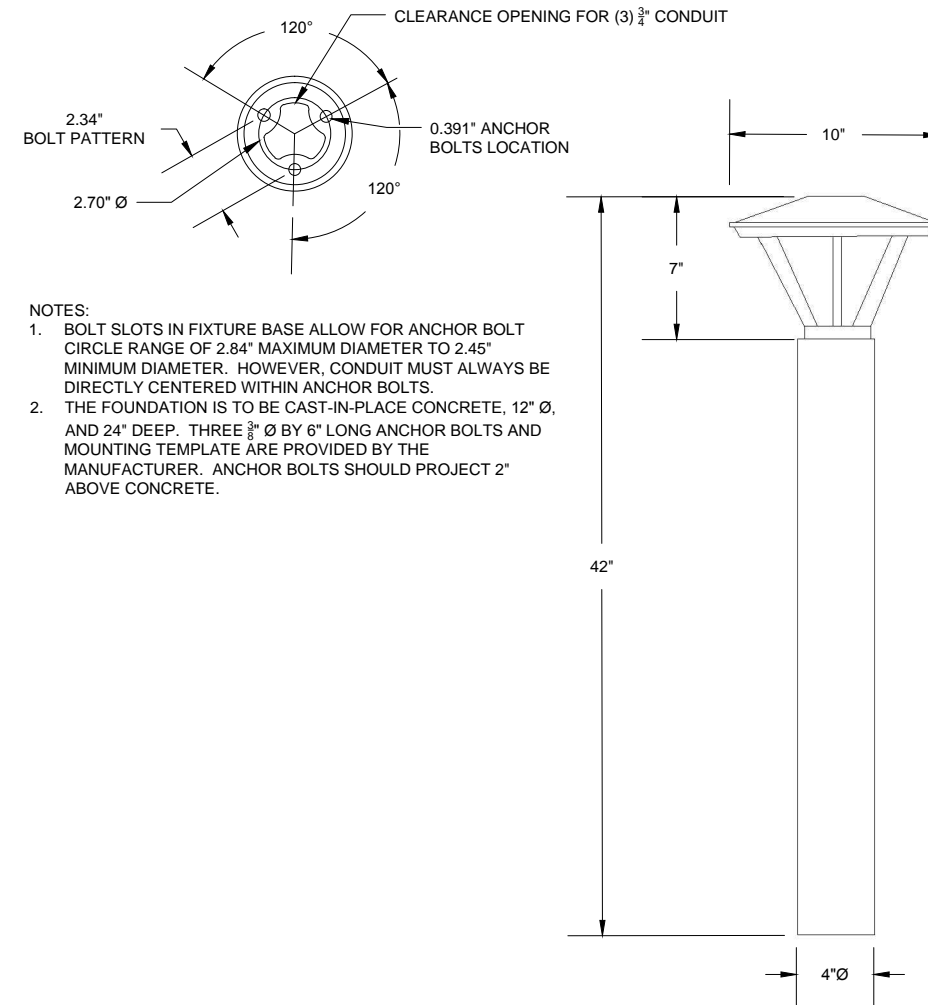
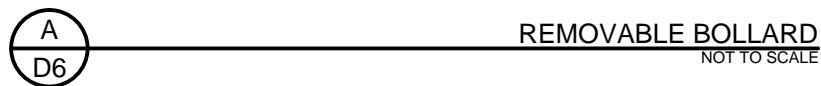
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TRANSFORMER AND LIGHT POLE BASE

TRANSFORMER AND LIGHT POLE BASE

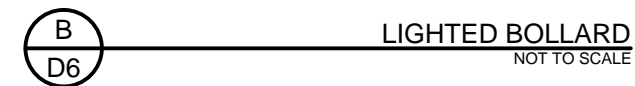
D5

May 2015

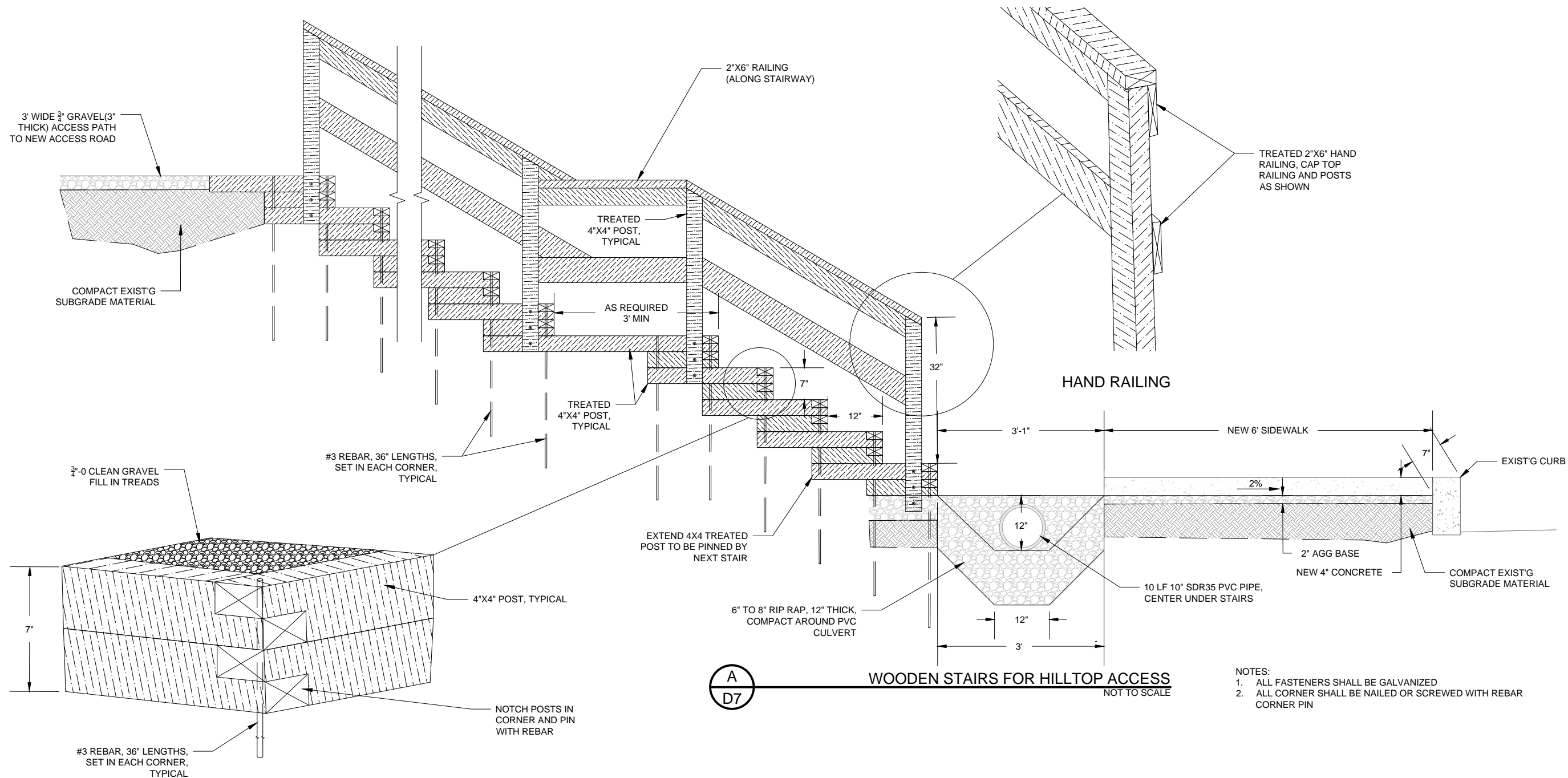


NOTES:

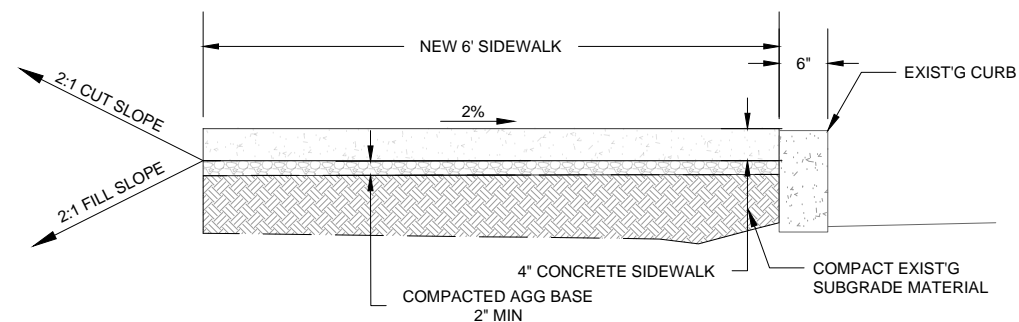
1. BOLT SLOTS IN FIXTURE BASE ALLOW FOR ANCHOR BOLT CIRCLE RANGE OF 2.84" MAXIMUM DIAMETER TO 2.45" MINIMUM DIAMETER. HOWEVER, CONDUIT MUST ALWAYS BE DIRECTLY CENTERED WITHIN ANCHOR BOLTS.
2. THE FOUNDATION IS TO BE CAST-IN-PLACE CONCRETE, 12" Ø, 24" DEEP. THREE 3/8" Ø BY 6" LONG ANCHOR BOLTS AND MOUNTING TEMPLATE ARE PROVIDED BY THE MANUFACTURER. ANCHOR BOLTS SHOULD PROJECT 2" ABOVE CONCRETE.



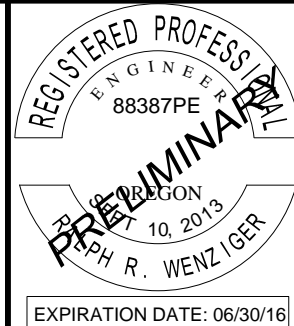
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CORNER CONNECTION



SIDEWALK SECTION VIEW STA 5+00

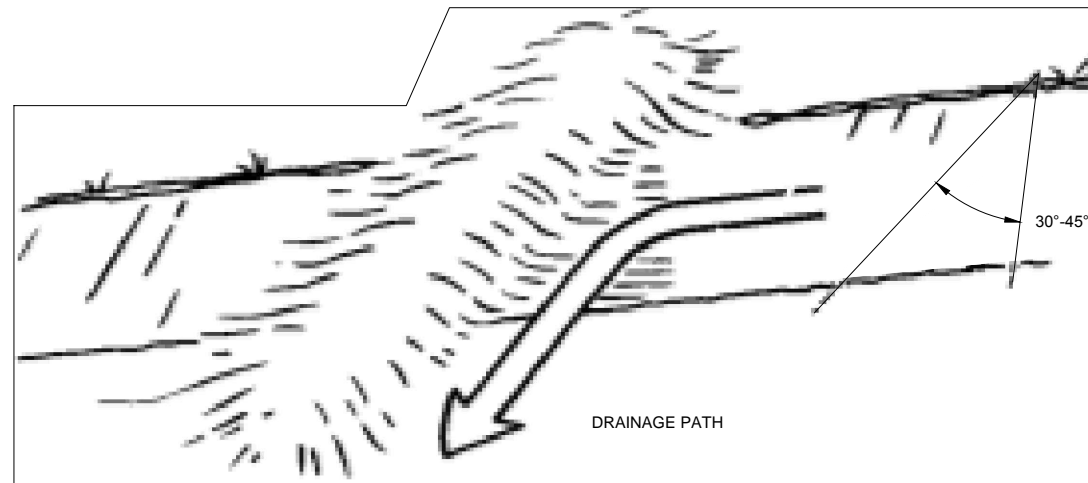


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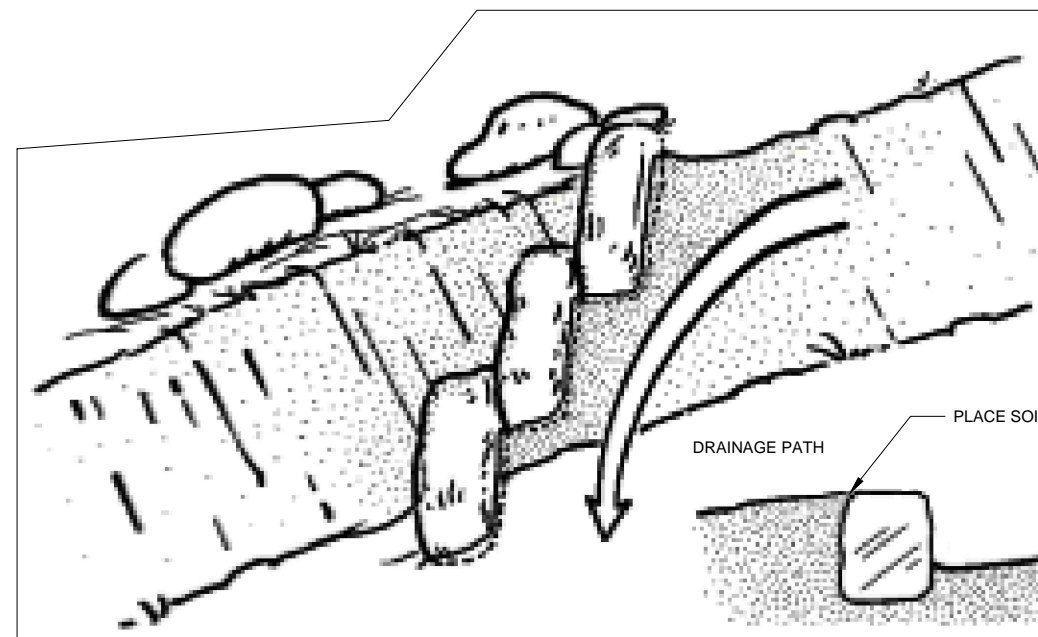
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Project No: 2302-003		

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Sheet No: D7		
Date: May 2015		



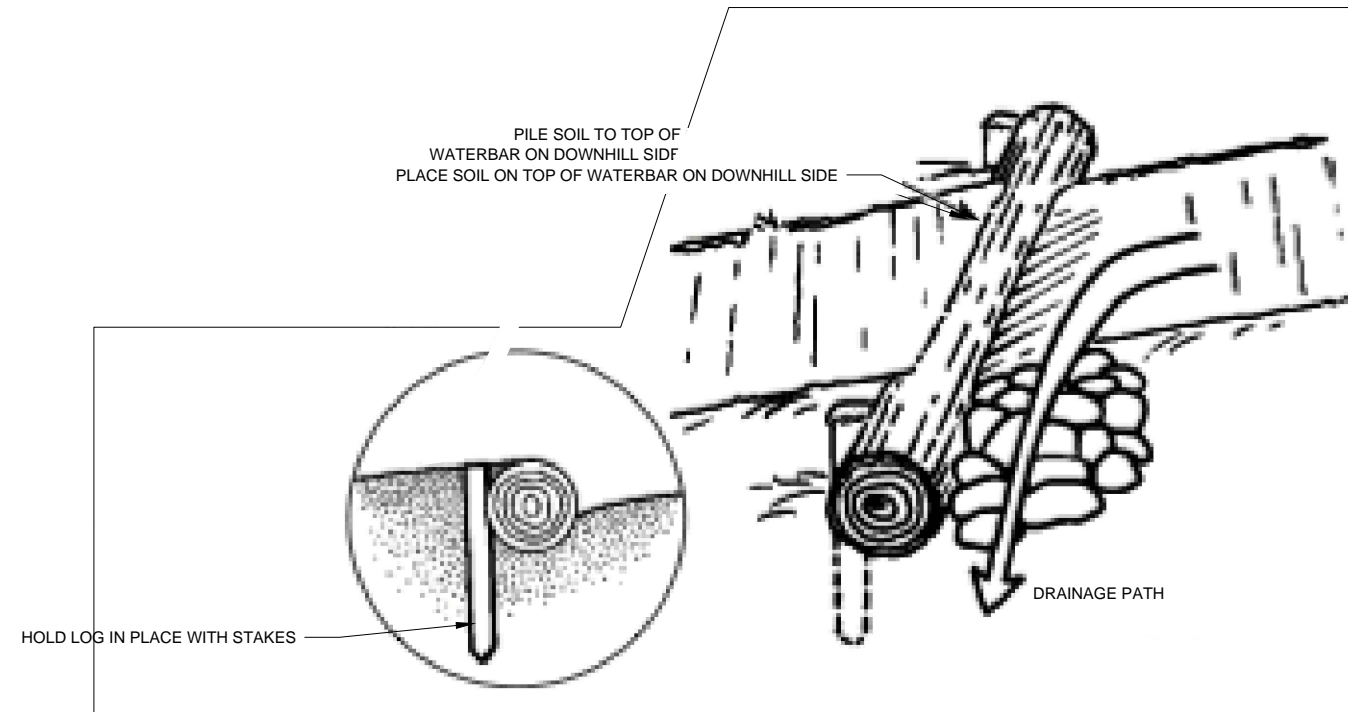
EARTHEN WATERBAR



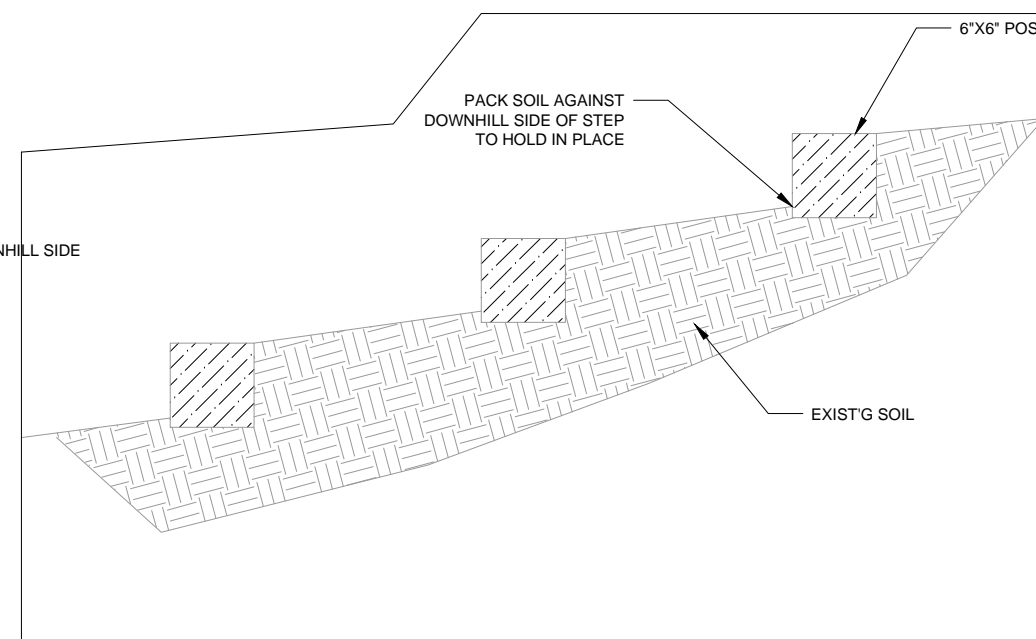
ROCK WATERBAR

NOTES:

1. CONTRACTOR SHALL USE ON-SITE MATERIALS FOR WATER BARS ON HIKING TRAIL
2. SOIL SHALL BE COMPACTED ON BOTH SIDES OF WATER BAR
3. EARTHEN BAR SHALL BE MIXED WITH GRAVEL AND COMPACTED



LOG WATERBAR

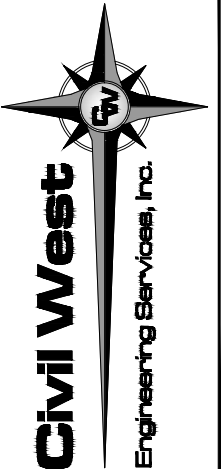
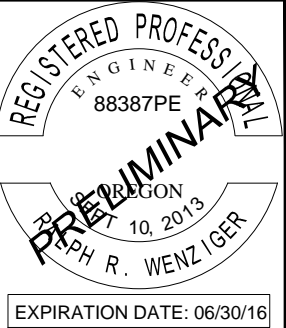


WOODEN TRAIL STEPS



HIKING TRAIL WATER DIVERTERS AND WOODEN TRAIL STEPS

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Sheet No.	
Date	

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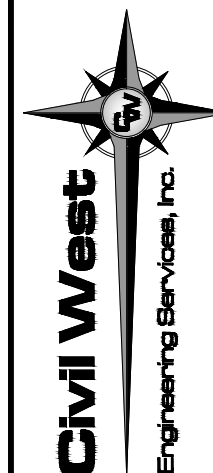
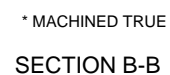
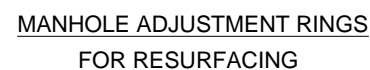
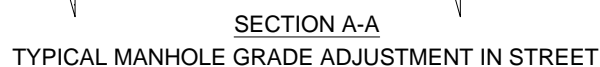
LINCOLN COUNTY, OREGON

SAFE HAVEN HILL TSUNAMI RETROFIT

HIKING TRAIL WATER DIVERTERS

D8

May 2015



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LINCOLN COUNTY, OREGON

SAFE HAVEN HILL TSUNAMI RETROFIT

MANHOLE FRAME ADJUSTMENT AND SIDEWALK TRANSITION DETAILS

D9

May 2015